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161
1733
PATENT

Attorney Docket No. ZCO-108

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Bredt *et al.* CONFIRMATION NO.: 6314
SERIAL NO.: 09/706,350 GROUP NO.: 1733
FILING DATE: November 3, 2000 EXAMINER: S. Maki
TITLE: MATERIAL SYSTEMS AND METHODS OF THREE-DIMENSIONAL PRINTING

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CERTIFICATE OF FIRST CLASS MAILING UNDER 37 C.F.R. 1.8

I hereby certify that this correspondence, and any document(s) referred to as enclosed herein, is/are being deposited with the United States Postal Service as first class mail, postage prepaid, in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 8th day of June, 2004.



Emily Walsh

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

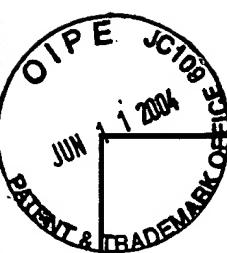
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Sir:

Submitted herewith are:

1. Transmittal Form (1 pg.);
2. Fee Transmittal Form (1 pg.);
3. Check in the amount of \$180.00;
4. Supplemental Information Disclosure Statement (2 pgs.);
5. Form PTO-1449 (2 pgs.);
6. Copies of Cited References A1-A16, B1-B6 and C1-C4; and a
7. Return Receipt Postcard.

3076540



TRANSMITTAL FORM

Application Serial Number	09/706,350
Filing Date	November 3, 2000
First Named Inventor	Bredt
Group Art Unit	1733
Examiner Name	S. Maki
Attorney Docket No.	ZCO-108
Patent No.	Not applicable
Issue Date	Not applicable

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ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Check Attached <input type="checkbox"/> Copy of Fee Transmittal Form 	<input type="checkbox"/> Copy of Notice to File Missing Parts of Application	<input type="checkbox"/> Notice of Appeal to Board of Patent Appeals and Interferences
<input type="checkbox"/> Amendment/Response <ul style="list-style-type: none"> <input type="checkbox"/> Preliminary <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Letter to Official Draftsperson including Drawings [Total Sheets ____] 	<input type="checkbox"/> Formal Drawing(s)	<input type="checkbox"/> Appeal Brief (in triplicate)
<input type="checkbox"/> Petition for Extension of Time	<input type="checkbox"/> Request For Continued Examination (RCE) Transmittal	<input type="checkbox"/> Status Inquiry
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Form PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations A1-A16, B1-B6 and C1-C4 	<input type="checkbox"/> Power of Attorney (Revocation of Prior Powers)	<input checked="" type="checkbox"/> Return Receipt Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Certificate of First Class Mailing under 37 C.F.R. 1.8
<input type="checkbox"/> Sequence Listing submission <ul style="list-style-type: none"> <input type="checkbox"/> Paper Copy/CD <input type="checkbox"/> Computer Readable Copy <input type="checkbox"/> Statement verifying identity of above 	<input type="checkbox"/> Executed Declaration and Power of Attorney for Utility or Design Patent Application	<input type="checkbox"/> Certificate of Facsimile Transmission under 37 C.F.R. 1.8
	<input type="checkbox"/> Notification Regarding Small Entity Status under 37 C.F.R. 1.27	<input type="checkbox"/> Additional Enclosure(s) (please identify below)
	<input type="checkbox"/> CD(s) for large table or computer program	
	<input type="checkbox"/> Amendment After Allowance	
	<input type="checkbox"/> Request for Certificate of Correction <ul style="list-style-type: none"> <input type="checkbox"/> Certificate of Correction (in duplicate) 	

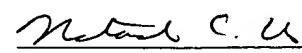
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CORRESPONDENCE ADDRESS

SIGNATURE BLOCK

Direct all correspondence to: Patent Administrator
Testa, Hurwitz & Thibeault, LLP
125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100

Respectfully submitted,


 Natasha C. Us
Attorney for Applicants
Testa, Hurwitz & Thibeault, LLP
125 High Street
Boston, MA 02110



**FEE TRANSMITTAL
FY 2004**

		Complete if Known	
Application Serial Number	09/706,350		
Filing Date	November 3, 2000		
First Named Inventor	Bredt		
Group Art Unit	1733		
Examiner Name	S. Maki		JUN 21 2004
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METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																
1. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity Fee (\$)</th> <th>Small Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>130</td><td>65</td><td>Surcharge - late filing fee or oath</td></tr> <tr><td>50</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td></tr> <tr><td>130</td><td>130</td><td>Non-English specification</td></tr> <tr><td>2,520</td><td>2,520</td><td>Request for ex parte reexamination</td></tr> <tr><td>110</td><td>55</td><td>Extension for reply within first month</td></tr> <tr><td>420</td><td>210</td><td>Extension for reply within second month</td></tr> <tr><td>950</td><td>475</td><td>Extension for reply within third month</td></tr> <tr><td>1480</td><td>740</td><td>Extension for reply within fourth month</td></tr> <tr><td>2010</td><td>1005</td><td>Extension for reply within fifth month</td></tr> <tr><td>330</td><td>165</td><td>Notice of Appeal</td></tr> <tr><td>330</td><td>165</td><td>Filing a brief in support of an appeal</td></tr> <tr><td>290</td><td>145</td><td>Request for oral hearing</td></tr> <tr><td>130</td><td>130</td><td>Petitions to the Commissioner</td></tr> <tr><td>180</td><td>180</td><td>Submission of Information Disclosure Statement</td></tr> <tr><td>770</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td></tr> <tr><td>770</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td></tr> <tr><td>100</td><td>100</td><td>Certificate of Correction for applicant's error</td></tr> <tr><td>110</td><td>55</td><td>Submission of Terminal Disclaimer</td></tr> <tr><td colspan="2">Other fee (Specify)</td><td></td></tr> <tr><td colspan="2">Other fee (Specify)</td><td></td></tr> </tbody> </table>		Large Entity Fee (\$)	Small Entity Fee (\$)	Fee Description	130	65	Surcharge - late filing fee or oath	50	25	Surcharge - late provisional filing fee or cover sheet	130	130	Non-English specification	2,520	2,520	Request for ex parte reexamination	110	55	Extension for reply within first month	420	210	Extension for reply within second month	950	475	Extension for reply within third month	1480	740	Extension for reply within fourth month	2010	1005	Extension for reply within fifth month	330	165	Notice of Appeal	330	165	Filing a brief in support of an appeal	290	145	Request for oral hearing	130	130	Petitions to the Commissioner	180	180	Submission of Information Disclosure Statement	770	385	Filing a submission after final rejection (37 CFR 1.129(a))	770	385	For each additional invention to be examined (37 CFR 1.129(b))	100	100	Certificate of Correction for applicant's error	110	55	Submission of Terminal Disclaimer	Other fee (Specify)			Other fee (Specify)		
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Direct all correspondence to: Patent Administrator Testa, Hurwitz & Thibeault, LLP 125 High Street Boston, MA 02110 Tel. No.: (617) 248-7000 Fax No.: (617) 248-7100		Respectfully submitted,  Natasha C. Us Attorney for Applicants Testa, Hurwitz & Thibeault, LLP 125 High Street Boston, MA 02110																																																																



PATENT
Attorney Docket No. ZCO-108

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Bredt *et al.* CONFIRMATION NO.: 6314
SERIAL NO.: 09/706,350 GROUP NO.: 1733
FILING DATE: November 3, 2000 EXAMINER: S. Maki
TITLE: MATERIAL SYSTEMS AND METHODS OF THREE-DIMENSIONAL PRINTING

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

(1) within three (3) months of the **filings date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or

(2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and

the requisite Statement is below, OR

the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or

(3) after the mailing date of a **final action or notice of allowance** but before the payment of the **issue fee, AND**

the requisite Statement is below, **AND**

the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

In addition, Applicants wish to inform the Examiner about the following co-pending patent applications, including the Office actions issued therein:

- 1) 10/255,139, filed on September 25, 2002, by Bredt *et al.*;
- 2) 10/650,086, filed on August 26, 2003, by Bredt *et al.*; and
- 3) 10/848,831, filed on May 19, 2004, by Bredt *et al.*

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Respectfully submitted,

Date: June 8, 2004
Reg. No. 44,381

Natasha C. Us

Natasha C. Us
Attorney for Applicants
Testa, Hurwitz & Thibeault, LLP
125 High Street
Boston, Massachusetts 02110

Tel. No.: (617) 310-8327
Fax No.: (617) 248-7100

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SHEET 1 OF 2

FORM PTO - 1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTORNEY DOCKET NO.: ZCO-108 APPLICANT(S): Bredt <i>et al.</i> SERIAL NO.: 09/706,350 FILING DATE: November 3, 2000 GROUP: 1733			
U.S. PATENT DOCUMENTS							
EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	4,665,492	05/12/1987	Masters			
	A2	5,433,280	07/18/1995	Smith			
	A3	5,490,882	02/13/1996	Sachs <i>et al.</i>			
	A4	5,660,621	08/26/1997	Bredt			
	A5	5,697,043	12/09/1997	Baskaran <i>et al.</i>			
	A6	5,772,947	06/30/1998	Hull <i>et al.</i>			
	A7	5,805,971	09/08/1998	Akedo			
	A8	5,851,465	12/22/1998	Bredt			
	A9	5,870,307	02/09/1999	Hull <i>et al.</i>			
	A10	6,007,318	12/28/1999	Russell <i>et al.</i>			
	A11	6,112,109	08/29/2000	D'Urso			
	A12	6,193,922	02/27/2001	Ederer			04/14/1998
	A13	6,403,002	06/11/2002	van der Geest			12/03/1999
	A14	6,416,850	07/09/2002	Bredt <i>et al.</i>			01/29/1999
	A15	6,423,255	07/23/2002	Hoechsmann <i>et al.</i>			03/24/2000
	A16	6,610,429	08/26/2003	Bredt <i>et al.</i>			04/10/2001
EXAMINER				DATE CONSIDERED			

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SHEET 2 OF 2

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FORM PTO - 1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTORNEY DOCKET NO.: ZCO-108 APPLICANT(S): Bredt <i>et al.</i> SERIAL NO.: 09/706,350 FILING DATE: November 3, 2000 GROUP: 1733							
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FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B1	DE 1985 3834	05/31/2000	DE				Y	Y
	B2	06-289612	10/18/1994	JP				N	Abstract only
	B3	11-116875	04/27/1999	JP				N	Abstract only
	B4	2001-162351	06/19/2001	JP			12/08/1999	N	Abstract only
	B5	WO 98/09798	03/12/1998	PCT				N	Y
	B6	WO 98/46415	10/22/1998	PCT				N	Y

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)	
	C1 Ederer, "A 3D Print Process for Inexpensive Plastic Parts," Presentation for the Austin Solid Freeform Conference, 1995.	
	C2 German, <u>Powder Injection Molding</u> , (1990), pp. 32-43 and 92-95.	
	C3 International Search Report for PCT/US00/30347, September 24, 2001, 9 pgs.	
	C4 International Preliminary Examination Report for PCT/US00/30347, March 19, 2002, 28 pgs.	

EXAMINER	DATE CONSIDERED
3061733	